

Shaw

PCT

RAW SEQUENCE LISTING

DATE: 06/12/2001

PATENT APPLICATION: US/09/787,879A

TIME: 11:24:56

Input Set : A:\2553Seq.txt

Output Set: N:\CRF3\06112001\I787879A.raw

ENTERED

3 <110> APPLICANT: WATANABE, Takuya
 4 TERAQ, Yasuko
 5 MATSUI, Hi-aki
 8 <120> TITLE OF INVENTION: Novel G-Protein Coupled Receptor Protein and DNA Thereof
 10 <130> FILE REFERENCE: 1553USOF
 12 <140> CURRENT APPLICATION NUMBER: US 09/787879A
 C--> 13 <141> CURRENT FILING DATE: 2001-05-14
 15 <150> PRIOR APPLICATION NUMBER: PCT/JP99/05366
 16 <151> PRIOR FILING DATE: 1999-09-30
 18 <150> PRIOR APPLICATION NUMBER: JP 10-279535
 19 <151> PRIOR FILING DATE: 1998-10-01
 21 <160> NUMBER OF SEQ ID NOS: 6
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 321
 25 <212> TYPE: PRT
 26 <213> ORGANISM: Human
 28 <400> SEQUENCE: 1
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 31 5 10 15
 32 Gly Arg Glu Gln Thr Pro Cys Tyr Lys Gln Thr Leu Ser Phe Thr Gly
 33 20 25 30
 34 Leu Thr Cys Ile Val Ser Leu Val Ala Leu Thr Gly Asn Ala Val Val
 35 35 40 45
 36 Leu Trp Leu Leu Gly Cys Arg Met Arg Arg Asn Ala Val Ser Ile Tyr
 37 50 55 60
 38 Ile Leu Asn Leu Val Ala Ala Asp Phe Leu Phe Leu Ser Gly His Ile
 39 65 70 75 80
 40 Ile Cys Ser Pro Leu Arg Leu Ile Asn Ile Arg His Pro Ile Ser Lys
 41 85 90 95
 42 Ile Leu Ser Pro Val Met Thr Phe Pro Tyr Phe Ile Gly Leu Ser Met
 43 100 105 110
 44 Leu Ser Ala Ile Ser Thr Glu Arg Cys Leu Ser Ile Leu Trp Phe Ile
 45 115 120 125
 46 Trp Tyr Phe Cys Arg Arg Ile Arg Tyr Leu Ser Ser Val Met Cys Val
 47 130 135 140
 48 Leu Leu Trp Ala Leu Ser Leu Leu Arg Ser Ile Leu Glu Trp Met Phe
 49 145 150 155 160
 50 Cys Asp Phe Leu Phe Ser Gly Ala Asp Ser Val Trp Cys Glu Thr Ser
 51 165 170 175
 52 Asp Phe Ile Thr Ile Ala Trp Leu Val Ile Leu Cys Val Val Leu Tyr
 53 180 185 190
 54

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60 Arg Ile His Leu Asp Trp Lys Val Leu Phe Cys His Val His Leu Val
61           245           250           255
62 Ser Ile Phe Leu Ser Ala Leu Asn Ser Ser Ala Asn Pro Ile Ile Tyr
63           260           265           270
64 Phe Phe Val Gly Ser Phe Arg Gln Arg Gln Asn Arg Gln Asn Leu Leu
65           275           280           285
66 Leu Val Leu Gln Arg Ala Leu Gln Asp Thr Pro Glu Val Asp Glu Gly
67           290           295           300
68 Gly Gly Trp Leu Pro Gln Glu Thr Leu Glu Leu Ser Gly Ser Arg Leu
69 305           310           315           320
70 Glu Gln
71           322
72
73 #210 - SEQ ID NO: 2
74 #211 - LENGTH: 322
75 #212 - TYPE: PRT
76 #213 - ORGANISM: Human
77
78 #400 - SEQUENCE: 2
80 Met Asp Ser Thr Ile Pro Val Leu Gly Thr Glu Leu Thr Pro Ile Asn
81           5           10           15
82 Gly Arg Glu Gln Thr Pro Cys Tyr Lys Gln Thr Leu Ser Phe Thr Gly
83           20           25           30
84 Leu Thr Cys Ile Val Ser Leu Val Ala Leu Thr Gly Asn Ala Val Val
85           35           40           45
86 Leu Trp Leu Leu Gly Cys Arg Met Arg Arg Asn Ala Val Ser Ile Tyr
87           50           55           60
88 Ile Leu Asn Leu Val Ala Ala Asp Phe Leu Phe Leu Ser Gly His Ile
89 65           70           75           80
90 Ile Cys Ser Pro Leu Arg Leu Ile Asn Ile Arg His Pro Ile Ser Lys
91           85           90           95
92 Ile Leu Ser Pro Val Met Thr Phe Pro Tyr Phe Ile Gly Leu Ser Met
93           100          105          110
94 Leu Ser Ala Ile Ser Thr Glu Arg Cys Leu Ser Ile Leu Trp Pro Ile
95           115          120          125
96 Trp Tyr His Cys Arg Arg Pro Arg Tyr Leu Ser Ser Val Met Cys Val
97           130          135          140
98 Leu Leu Trp Ala Leu Ser Leu Leu Arg Ser Ile Leu Gln Trp Met Phe
99 145          150          155          160
100 Cys Asp Phe Leu Ile Leu Gly Ala Asn Ser Thr Trp Tyr His Thr Leu
101           165          170          175
102 Asp Phe Ile Thr Ile Ala Trp Leu Val Phe Leu Tyr Thr Val Leu Cys
103           180          185          190
104 Gly Ser Ser Leu Val Leu Leu Val Arg Ile Leu Cys Gly Ser Arg Lys
105           195          200          205
106 Met Pro Leu Thr Arg Leu Tyr Val Thr Ile Leu Leu Thr Val Leu Val
107           210          215          220
108 Phe Leu Leu Cys Gly Leu Pro Phe Gly Ile Thr Thr Arg Leu Ile Leu

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112 Ser Ile Phe Leu Ser Ala Leu Asn Ser Ser Ala Asn Pro Ile Ile Tyr
113           260           265           270
114 Phe Phe Val Gly Ser Phe Arg Gln Arg Gln Asn Arg Gln Asn Leu Lys
115           275           280           285
116 Leu Val Leu Gln Arg Ala Leu Gln Asp Thr Pro Glu Val Asp Glu Gly
117           290           295           300
118 Gly Gly Trp Leu Pro Gln Gln Thr Leu Glu Leu Ser Gly Ser Arg Leu
119 305           310           315           320
120 Gln Gln
121           322
122
123 SEQ ID NO: 3
124 LENGTH: 369
125 TYPE: DNA
126 ORGANISM: Human
127 SEQUENCE: 3

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C--> 130 atggattcaa ccattccagt cttgggtaca gaactgacac caatcaacgg acgtgaggag 60
131 actccttggc acagcagac cctgagcttc acggggctga cgtgcacgtt ttcccttgc 120
132 gcctgacag gaaacgggt cgtgtctgg ctccctgggt gccgcacgt caggaaacgt 180
133 gttccatct acatcccaa cctggtcgg gccgacttcc tcttccttag cggccacatt 240
134 atatgttgc cgttacgct catcaatata cgcacatccc tctccaaaat cctcagtcct 300
135 gtgatgacct ttccctact tataggccta agcatgctga gcgcacacag caccgagcgc 360
136 tgcctgtcca tctgtgtgc catctgttac cactgcgcgc gccccagata cctgtcatcg 420
137 gtcctgtgtg tctgtgtctg ggcctgtctc ctgctgcgga gtatcctgga gtggtgttgc 480
138 cttgacttgc tctttagtgg tctgtattct gtctgtgtgt aaacgtcaga ttctattaca 540
139 atcgtgtgac tggttctttt atgtgtgtgt ctctgtgggt ccagccttgt cctgtgtgtc 600
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141 acagtgtctg tctctctct ctgtgtgtct ccttttgcca ttcagtgggc cctgttttcc 720
142 aggatccacc tggattggaa agtcttattt tctcatgtgc atctagtttc cattttctgt 780
143 tccgtcttta acagcagtc caaccacata atttacttct tctgtggctc ctttaggcag 840
144 cgtcaaaaata ggcagaacct gaagctgtgt ctccagaggg ctctgcagga caccgctgag 900
145 gtggatgaag gtggaagggt gcttctctcag gaaaccttgg acctgtcggg aacagattg 960
146 gaggcagtga
147
148 SEQ ID NO: 4
149 LENGTH: 369
150 TYPE: DNA
151 ORGANISM: Human
152 SEQUENCE: 4

```

```

C--> 155 atggattcaa ccattccagt cttgggtaca gaactgacac caatcaacgg acgtgaggag 60
156 actccttggc acagcagac cctgagcttc acggggctga cgtgcacgtt ttcccttgc 120
157 gcctgacag gaaacgggt cgtgtctgg ctccctgggt gccgcacgt caggaaacgt 180
158 gttccatct acatcccaa cctggtcgg gccgacttcc tcttccttag cggccacatt 240
159 atatgttgc cgttacgct catcaatata cgcacatccc tctccaaaat cctcagtcct 300
160 gtgatgacct ttccctact tataggccta agcatgctga gcgcacacag caccgagcgc 360
161 tgcctgtcca tctgtgtgc catctgttac cactgcgcgc gccccagata cctgtcatcg 420
162 gtcctgtgtg tctgtgtctg ggcctgtctc ctgctgcgga gtatcctgga gtggtgttgc 480
163 tctgacttgc tctttagtgg tctgtattct gtctgtgtgt aaacgtcaga ttctattaca 540

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RAW SEQUENCE LISTING

DATE: 06/12/2001

PATENT APPLICATION: US/09/787,879A

TIME: 11:04:46

Input Set : A:\2553Seq.txt

Output Set: N:\CRF3\06112001\I787879A.raw

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167 aggatccacc tggattggaa agtattatatt tgcatgtgc atctagtttc cattttcttg 730
168 tccgctctta acagcagtgcc caaccccatc atttacttat tcttgaggtc ctttaggcag 840
169 cgtcaaaaata ggcagacccg gaagctgggt ctcacagagg cctctgcagga caccgctgag 900
170 gtggatgaag ggggagggtg gcttctcag gaaacccctg agcgtcggg aagcaqattg 960
171 gacpactga 969
173 <210> SEQ ID NO: 5
174 <211> LENGTH: 30
175 <212> TYPE: DNA
C--> 176 <213> ORGANISM: Artificial
178 <220> FEATURE:
179 <223> OTHER INFORMATION: primer
181 <400> SEQUENCE: 5
C--> 183 gtcqacatgg attcaaccat cccagtcttg 30
185 <210> SEQ ID NO: 6
186 <211> LENGTH: 30
187 <212> TYPE: DNA
C--> 188 <213> ORGANISM: Artificial
190 <220> FEATURE:
191 <223> OTHER INFORMATION: primer
193 <400> SEQUENCE: 6
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VERIFICATION SUMMARY

DATE: 06/12/2001

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TIME: 11:24:57

Input Set : A:\2553Seq.txt

Output Set: N:\CRF3\06112001\I787879A.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:130 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=3
L:155 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=4
L:176 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:183 M:112 C: (48) String data converted to lower case,
L:188 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:195 M:112 C: (48) String data converted to lower case,